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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 6

Complete if Known	
Application No.	09/989,582
Filing Date:	November 20, 2001
First Named Inventor	Mian et al.
Group Art Unit	1641
Examiner Name	
Attorney Docket No.	95.1408-JJJ

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
		4,729,862		Salatiello et al.	July 21, 1981	
		4,351,291		Ekins et al.	April 26, 1983	
		4,515,889		Klose et al.	May 7, 1985	
		4,676,952		Edelmann et al.	June 30, 1987	
		4,745,072		Ekins	May 17, 1988	
		5,180,702		Kopf-Sill	November 3, 1992	
		5,171,695		Ekins	December 15, 1992	
		5,173,262		Burtis et al.	December 22, 1992	
		5,242,803		Burtis et al.	September 7, 1993	
		5,409,685		Burd	April 25, 1995	
		5,413,732		Buhl	May 9, 1995	
		5,432,009		Tabata	July 11, 1995	
		5,472,603		Schembri	December 5, 1995	
		5,006,749		White	April 9, 1991	
		5,262,294		Kroy	October 12, 1993	
		5,304,487		Wilding	April 19, 1994	
		5,368,704		Madou	November 29, 1994	
		3,679,367		Negersmith	July 25, 1972	
		4,940,627		Kaziauskas et al.	July 10, 1990	
		4,515,889		Klose et al.	May 7, 1985	
		5,426,032		Phillips et al.	June 20, 1995	
		4,154,793		Gulgan	May 15, 1979	

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Application No.	09/989,582
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		5,188,844		Burd	February 16, 1993	
		5,122,284		Braynin et al.	June 16, 1992	
		5,304,348		Burd et al.	April 19, 1994	
		5,457,053		Burd et al.	October 10, 1995	
		5,478,750		Berstein et al.	December 26, 1995	
		5,591,643		Schembri et al.	January 7, 1997	
		5,518,930		Burd et al.	May 21, 1996	
		5,472,603		Schembri et al.	December 5, 1997	
		5,693,233		Schembri	December 2, 1997	
		5,496,520		Kelton et al.	March 5,1996	
		5,061,381		Burd	October 29, 1991	
		5,242,606		Braynin et al.	September 7, 1993	
		5,403,415		Schembri	April 4, 1995	
		5,173,193		Schembri	December 22, 1992	
		5,275,016		Chatterjee et al.	January 4, 1994	
		5,624,597		Buhl et al.	April 29, 1997	
		5,599,411		Schembri	February 4, 1997	
		5,539,428		Cottingham	June 17, 1997	
		6,319,469		Mian et al.	November 20, 2001	

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		Office[3]	Number[4]	Kind Code[5] (if known)				
		WO	93/22053		Trustees of the University of PENN	11/11/93		
		WO	93/22058		Trustees of the University of PENN	11/11/93		
		EP	417,305	A1	Idemitsu Petrochemical Co. Ltd.	3/20/91		
		EP	616,218	A1	Hitachi, Ltd.	9/21/94		
		EP	305,210		Biotrack, Inc.	12/8/93		
		EP	322,657		Miles Inc.	7/5/89		
		GER	4,410,224		Gleich Anmelder	9/28/95		
		EP	637,387	B1	ABAXIS, Inc.	12/10/97		
		WO	95/33985		ABAXIS, Inc.	12/14/95		

OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS

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		Anderson, "Analytical Techniques for Cell Fractions" (1968), *Anal. Biochem.*, 28: 545-562	
		Aoki et al., "Electrochemical Response at Microarray Electrodes in Flowing Streams and Determination of Catecholamines", (1990), Anal. Chem., 62: 2208-2210	
		Arquint et al., "Micromachined Analyzers on a Silicon Chip", (September 1994), Clinical Chemistry, Vol. 40, No. 9, pp. 1805-1809.	

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		Ballantine et al., "Surface Acoustic Wave", (June 1989), Anal. Chem., 61/11: pp. 704-715.	
		Bertrand et al., "A One-Step Determiniation of Serum 5'-nucleotidase using a centrifugal Analyzer", (1982), Clinica Chimica Acta, 119: 275-284.	
		Blackburn et al., "Electrochemiluminescence Detection for Development of Immunoassays and DNA Probe Assays for Clinical Diagnostics", (1991), Clin. Chem., 37/9: 1534-1539.	
		Bor Fuh et al., "Isolation of Human Blood Cells, Platelets, and Plasma Proteins by Centrifugal SPLITT Fractionation", (1995), Biotechnol. Prog., 11: 14-20.	
		Burtis et al., "Optimization and Analytical Application of the Technique of Dynamic Introduction of Liquids into Centrifugal Analyzers", (1974), Clin. Chem., 20: 932-941.	
		Burtis et al., "Development of a Multipurpose Optical System for Use with a Centrifugal Fast Analyzer", (1975), Clin. Chem., 21/9: 1226-1233.	
		Cho et al., "Development of a Multichannel Electrochemical Centrifugal Analyzer" (1982), Clin. Chem., 28/9: 1961-1965.	
		Collison et al., "Chemical Sensors for Bedside Monitoring of Critically Ill Patients" (April 1990), Anal. Chem., 62/7: pp. 425-437.	
		Columbus et al., "Architextured" Fluid Management of Biological Liquids", (1987), Clin. Chem., 33/9: 1531-1537.	
		Dessy, "Waveguides as Chemical Sensors", (October 1989), Anal. Chem., 61/19: 1079-1094.	
		Ekins et al., "Multianalyte Microspot Immunoassay. The microanalytical 'compact disk' of the future", (1992), Ann. Biol. Clin., 50: 337-353.	
		Esashi et al., "Anodic Bonding for Integrated Capacitive Sensors" (July 1992), Proc. Micro. Electro Mechanical Systems, 11: 43-48.	
		Foucault, "Countercurrent Chromatography" (1991), Anal. Chem., 63:	

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		Fritsche et al., "Enzymatic Endpoint Analysis of Glucose with the Hexokinase Method and the Union Carbide Fast Centrifugal Analyzer", (1975), Clin Biochem., 8: 240-246.	
		Glass et al., "Effect of Numerical aperture on signal level in cylindrical waveguide evanescent fluorosensors" (June 1987), Appl. Optics, 26/11: 2181-2187	
		Haab et al., "Single Molecule Fluorescnece Burst Detection of DNA Fragments Separated by Capillary Electrophoresis" Anal. Chem., 1995, 67, 3253-3260.	
		Hadjiioannou et al., "Automated Enzymic Determination of Ethanol in Blood, Serum, and Urine with a Miniature Centrifugal Analyzer", (1976), Clin. Chem. 22/6:802-805.	
		Heineman, "Biosensors Based on Polymer Networks Formed by Gamma Irradiation Crosslinking", (1993). App. Biochem. Biotech., 41: 87-97.	
		Ikada, "Surface Modification of Polymers for Medical Applications", (1994), Biomaterials, 15/10: 725-736.	
		Lamture et al., "Direct Detectoin of Nucleic Acid Hybridization on the Surface of a Charge Coupled Device", (1994), Nucleic Acids Res., 22/11: 2121-2125.	
		Lee et al., "Automated System for Fractionation of Blood Samples" (1978), Clin. Chem., 24/8: 1361-1365.	
		Liniiu et al., "Development of a Centrifuge Ball Viscometer for Polymer Melts", (1994), Rev. Sci. Instrum., 65/12: 3823-3828.	
		Nakagawa et al., "A Micro Chemical Analyzing System Integrated on a Silicon Wafer", Proc. IEEE Workshop of Micro Electro Mechanical Systems, pp.89.	
		Poole et al., "Instrumental Thin-Layer Chromatography", (January 1994), Anal. Chem., 66/1: 27A-37A.	
		Reijenga et al., "Effect of Electroosmosis on Detection in Isotachophoresis",(1983), J. Chromatography, 260: 241-254.	

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BJ		Renoe et al., "A Versatile Minidisc Module for a Centrifugal Analyzer"(1974), Clain. Chem., 20/8:955-960.	
BJ		Rosenzweig et al., "Laser-Based Particle-Counting Microimmunoassay for the Analysis of Single Human Erythorcytes" (1994), Anal. Chem., 66: 1771-1776	
BJ		Schembri et al., "Portable Simultaneous Multiple Analyte Whole-Blood Analyzer for Point-of-Care Testing" (1992), Clin. Chem., 38/9: 1665-1670	
BJ		Shoji & Esashi, "Micro flow cell for blood gas analysis realizing very small sample volume" (1992), Sensors and Actuators, B8: 205-208.	
BJ		Wilding et al., "Manipulation and Flow of Biological Fluids in Straight Channels Micromachined in Silicon" (1994), Automat. Analyt. Tech., 40: 43-47.	
BJ		Wilding et al., Manipulation and Flow of Biological Fluids in Straight Channels Micromachined in Silicon (1994), Clin. Chem., 40/1: 43-47.	

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